The packages used in this project are as follows:

* The ‘random’ package, to randomly generate numbers
* The ‘numpy’ package, to perform mathematical operations.
* The ‘matplotlib’ package, to generate plots relevant to my data, specifically with ‘pyplot’.
* The ‘cycler’ package, to cycle through colours when generating the plots.
* The ‘sys’ package, to use for sending text to the command line.
* The ‘os’ package, for saving files and/or creating directories.
* The ‘tkinter’ package, for generating a GUI.
* The ‘csv’ package, for importing a CSV file.
* The ‘ast’ package, for literally evaluating strings.
* The ‘copy’ package, for copying objects.

The advanced techniques I have used include:

* Inheritance, in the case of the ‘ComplexParticle’ class extending the ‘Particle’ class
* Version control software and repositories, in this case Git/Github
* Testing using the pytest framework
* Creation of a GUI using tkinter, including the correct procedures to sanitise the name string entered into the GUI
* Importing and using a CSV file